

Application No. 10/625,457
Amendment dated 15 May 2006
First Preliminary Amendment

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Docket No.: 20022-7001

AMENDMENTS TO THE CLAIMS

- Claim 1 (Canceled): ~~A resource tracking system, comprising:
a plurality of resources, each resource having a plurality of associated
orthogonal resource material categories; and
a resource controller, coupled to said plurality of resources, for
grouping a subset of said plurality of resources having matching
values for all of said associated orthogonal resource material
categories.~~
- Claim 2 (Canceled): ~~The resource tracking system of claim 1 wherein a
number of said plurality of associated orthogonal resource material
categories is equal to three.~~
- Claim 3 (Canceled): ~~The resource tracking system of claim 1 wherein said
plurality of resources include electronic documents distributed over
one or more coupled computing systems.~~
- Claim 4 (Canceled): ~~The resource tracking system of claim 1 wherein said
orthogonal resource material categories include a subject identity
category, an object identity category, and a context category.~~
- Claim 5 (Canceled): ~~The resource tracking system of claim 1 further
comprising a display for presenting said subset of said plurality of
resources.~~
- Claim 6 (Canceled): ~~The resource tracking system of claim 1 further
comprising a display for presenting a particular one of plurality of
resources from said subset of resources and presenting a reference to
one or more other resources from said subset of resources.~~

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Claim 7 (Canceled): ~~The resource tracking system of claim 6 further comprising one or more resource gateways, each resource gateway defining a second subset of said plurality of resources having matching values for less than all of said orthogonal resource categories.~~

Claim 8 (Canceled): ~~The resource tracking system of claim 1 wherein each resource of said plurality of resources additionally includes at least one associated non-orthogonal resource material category.~~

Claim 9 (Canceled): ~~The resource tracking system of claim 8 wherein said at least one associated non-orthogonal resource material category is a time-related category.~~

Claim 10 (Canceled): ~~The resource tracking system of claim 8 wherein said at least one associated non-orthogonal resource material category is a resource source category.~~

Claim 11 (Canceled): ~~A resource binding method, the method comprising:~~
a) ~~associating a plurality of orthogonal resource material categories to each of a plurality of resources to bind said plurality of resources; and~~
b) ~~grouping a subset of said plurality of resources having matching values for all of said associated orthogonal resource material categories to aggregate related ones of said plurality of resources together.~~

Claim 12 (Canceled): ~~The resource binding method of claim 11 wherein a number of said plurality of associated orthogonal resource material categories is equal to three.~~

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Claim 13 (Canceled): ~~The resource binding method of claim 11 wherein said plurality of resources include electronic documents distributed over one or more coupled computing systems.~~

Claim 14 (Canceled): ~~The resource binding method of claim 11 wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category.~~

Claim 15 (Canceled): ~~The resource binding method of claim 11 further comprising a display for presenting said subset of said plurality of resources.~~

Claim 16 (Canceled): ~~The resource binding method of claim 11 further comprising a display for presenting a particular one of plurality of resources from said subset of resources and presenting a reference to one or more other resources from said subset of resources.~~

Claim 17 (Canceled): ~~The resource binding method of claim 16 further comprising one or more resource gateways, each resource gateway defining a second subset of said plurality of resources having matching values for less than all of said orthogonal resource categories.~~

Claim 18 (Canceled): ~~The resource binding method of claim 11 wherein each resource of said plurality of resources additionally includes at least one associated non-orthogonal resource material category.~~

Claim 19 (Canceled): ~~The resource binding method of claim 18 wherein said at least one associated non-orthogonal resource material category is a time-related category.~~

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~~Claim 20 (Canceled): The resource binding method of claim 18 wherein said at least one associated non-orthogonal resource material category is a resource source category.~~

~~Claim 21 (Canceled): A computer program product comprising a computer readable medium carrying program instructions for binding a plurality of resources when executed using a computing system, the executed program instructions executing a method, the method comprising:~~

- ~~a) — associating a plurality of orthogonal resource material categories to each of a plurality of resources to bind said plurality of resources; and~~
- ~~b) — grouping a subset of said plurality of resources having matching values for all of said associated orthogonal resource material categories to aggregate related ones of said plurality of resources together.~~

~~Claim 22 (Canceled): The computer program product of claim 21 wherein a number of said plurality of associated orthogonal resource material categories is equal to three.~~

~~Claim 23 (Canceled): The computer program product of claim 21 wherein said plurality of resources include electronic documents distributed over one or more coupled computing systems.~~

~~Claim 24 (Canceled): The computer program product of claim 21 wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category.~~

~~Claim 25 (Canceled): The computer program product of claim 21 further comprising a display for presenting said subset of said plurality of resources.~~

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Claim 26 (Canceled): ~~The computer program product of claim 21 further comprising a display for presenting a particular one of plurality of resources from said subset of resources and presenting a reference to one or more other resources from said subset of resources.~~

Claim 27 (Canceled): ~~The computer program product of claim 26 further comprising one or more resource gateways, each resource gateway defining a second subset of said plurality of resources having matching values for less than all of said orthogonal resource categories.~~

Claim 28 (Canceled): ~~The computer program product of claim 21 wherein each resource of said plurality of resources additionally includes at least one associated non-orthogonal resource material category.~~

Claim 29 (Canceled): ~~The computer program product of claim 28 wherein said at least one associated non-orthogonal resource material category is a time-related category.~~

Claim 30 (Canceled): ~~The computer program product of claim 28 wherein said at least one associated non-orthogonal resource material category is a resource source category.~~

Claim 31 (Original): A resource presentation apparatus, comprising:
a display;
an I/O system for receiving navigation instructions from a user;
a database for storing a plurality of resources, each resource having a plurality of associated orthogonal resource material categories; and
a resource controller, coupled to said plurality of resources and responsive to said navigation instructions, for grouping a subset of said plurality of resources having matching values for all of said

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associated orthogonal resource material categories; wherein said plurality of resources having matching values presented on said display.

Claim 32 (Currently amended): A method implemented on a computer system having a display, the method comprising:

- a) responding to user navigation commands provided to the computer system to select a resource from a plurality of resources, each resource having a plurality of orthogonal resource material categories;
- b) associating a subset of said plurality of resources with said selected resource, said subset of resources having values for all of said orthogonal resource material categories matching said orthogonal resource material categories of said selected resource; and
- c) displaying said selected resource and said subset of resources using an I/O system of the computer system.

Claim 33 (Currently amended): The method of ~~claim 34~~claim 32 further comprising creating a gateway to a second subset of resources, said second subset of resources having values for less than all of said orthogonal resource material categories matching said orthogonal resource material categories of said selected resource.

Claim 34 (Currently amended): A resource binding apparatus, comprising:
means for associating a plurality of orthogonal resource material categories stored in a machine-readable memory to each of a plurality of resources to bind said plurality of resources with each resource having a plurality of associated orthogonal resource material categories and a resource-derived value for each of said plurality of associated orthogonal resource material categories stored in said

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machine-readable memory associating a plurality of orthogonal resource material categories to each of a plurality of resources to bind said plurality of resources; and
means for aggregating one or more subsets of said plurality of resources from said machine-readable memory, each said subset of said plurality of resources having matching resource-derived values for all of said associated orthogonal resource material categories to group related ones of said plurality of resources together, wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category grouping a subset of said plurality of resources having matching values for all of said associated orthogonal resource material categories to aggregate related ones of said plurality of resources together.

Claim 35 (New): A resource tracking system, comprising:

a machine-readable memory storing a plurality of resources, each resource having a plurality of associated orthogonal resource material categories and a resource-derived value for each of said plurality of associated orthogonal resource material categories stored in said machine-readable memory; and
a resource controller, coupled to said machine-readable memory, aggregating one or more subsets of said plurality of resources together from said machine-readable memory, each said subset of said plurality of resources having matching resource-derived values for all of said associated orthogonal resource material categories, wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category.

Claim 36 (New): A resource binding method, the method comprising:

a) associating a plurality of orthogonal resource material

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categories stored in a machine-readable memory to each of a plurality of resources to bind said plurality of resources with each resource having a plurality of associated orthogonal resource material categories and a resource-derived value for each of said plurality of associated orthogonal resource material categories stored in said machine-readable memory; and

b) aggregating one or more subsets of said plurality of resources from said machine-readable memory, each said subset of said plurality of resources having matching resource-derived values for all of said associated orthogonal resource material categories to group related ones of said plurality of resources together, wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category.

Claim 37 (New): A computer program product comprising a computer readable medium carrying program instructions for binding a plurality of resources when executed using a computing system, the executed program instructions executing a method, the method comprising:
a) associating a plurality of orthogonal resource material categories stored in a machine-readable memory to each of a plurality of resources to bind said plurality of resources with each resource having a plurality of associated orthogonal resource material categories and a resource-derived value for each of said plurality of associated orthogonal resource material categories stored in said machine-readable memory; and
b) aggregating one or more subsets of said plurality of resources from said machine-readable memory, each said subset of said plurality of resources having matching resource-derived values for all of said associated orthogonal resource material categories to group

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related ones of said plurality of resources together, wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category.

Claim 38 (New): A resource tracking system implemented using a computer-system, comprising:

a plurality of resources stored in a computer-readable memory of the computer system, each resource having three associated orthogonal resource material categories, said three associated orthogonal resource material categories including a subject identity category, an object identity category, and a context category with each material category of each particular one of said plurality of resources having a value derived from said particular one resource; and
a resource controller of the computer system, coupled to said plurality of resources in said computer-readable memory, to:

a) associate a plurality of orthogonal resource material categories stored in said machine-readable memory to each of a plurality of resources to bind said plurality of resources with each resource having a plurality of associated orthogonal resource material categories and a resource-derived value for each of said plurality of associated orthogonal resource material categories stored in said machine-readable memory; and

b) aggregate a plurality of subsets of said plurality of resources from said machine-readable memory, each said subset of said plurality of resources having matching resource-derived values for all of said associated orthogonal resource material categories to group related ones of said plurality of resources together, wherein said orthogonal resource material categories include a subject identity category, an object identity category, and a context category.